INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/010673

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C23C14/16 C23C14/02 C23C10/02 C23C14/58 According to international Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) C23C IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category * 1-10,12 X DE 195 27 515 C (FRAUNHOFER GES FORSCHUNG :PREUSSAG STAHL AG (DE); KLOECKNER STAHL) 28 November 1996 (1996-11-28) 1-11 the whole document WO 02/14573 A (KRETSCHMAR MATTHIAS 1-11 ;SCHUHMACHER BERND (DE); WOLFHARD DIETRICH (DE) 21 February 2002 (2002-02-21) cited in the application page 10, line 20 - page 12, line 12 page 15 - page 16 PATENT ABSTRACTS OF JAPAN 1-11 Y vol. 017, no. 068 (M-1365), 10 February 1993 (1993-02-10) & JP 04 274890 A (NIPPON STEEL CORP), 30 September 1992 (1992-09-30) abstract Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention 'E' earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the document is combined with one or more other such docu-*O* document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled document published prior to the international filing date but later than the priority date claimed *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 27 January 2005 09/02/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Hintermaier, F Fax: (+31-70) 340-3016

INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/010673

INTO DOCUMENTS CONSIDERED TO BE RELEVANT	<u> </u>	
	Relevant to claim No.	
FR 2 655 058 A (MAUBEUGE FER) 31 May 1991 (1991-05-31) the whole document	1-11	
EP 0 478 010 A (KANEGAFUCHI CHEMICAL IND) 1 April 1992 (1992-04-01) abstract; figures 1,6 column 5, line 21 - line 41 column 7, line 12 - line 26	12	
EP 0 060 626 A (ENERGY CONVERSION DEVICES INC) 22 September 1982 (1982-09-22) abstract; figure 1A page 4, line 10 - page 5, line 31 page 8, line 10 - line 15		
	FR 2 655 058 A (MAUBEUGE FER) 31 May 1991 (1991-05-31) the whole document EP 0 478 010 A (KANEGAFUCHI CHEMICAL IND) 1 April 1992 (1992-04-01) abstract; figures 1,6 column 5, line 21 - line 41 column 7, line 12 - line 26 EP 0 060 626 A (ENERGY CONVERSION DEVICES INC) 22 September 1982 (1982-09-22) abstract; figure 1A page 4, line 10 - page 5, line 31	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/010673

Palent document cited in search report		Publication date		Patent family member(s)	Publication date
DE 19527515	С	28-11-1996	DE AT DE EP ES	19527515 C1 206489 T 59607810 D1 0756022 A2 2167486 T3	28-11-1996 15-10-2001 08-11-2001 29-01-1997 16-05-2002
WO 0214573	Α	21-02-2002	DE AU WO	10039375 A1 7840901 A 0214573 A1	28-03-2002 25-02-2002 21-02-2002
JP 04274890	A	30-09-1992	NONE		
FR 2655058	A	31-05-1991	FR WO	2655058 A1 9108320 A1	31-05-1991 13-06-1991
EP 0478010	A	01-04-1992	JP AT EP AT CA DE DE DE DE US	60119784 A 78522 T 0478010 A2 126551 T 1267864 A1 3485829 D1 3485829 T2 3486402 D1 3486402 T2 0144055 A2 9008504 B1 4585537 A	27-06-1985 15-08-1992 01-04-1992 15-09-1995 17-04-1990 27-08-1992 10-12-1992 21-09-1995 04-04-1996 12-06-1985 24-11-1990 29-04-1986
EP 0060626	A	22-09-1982	AU AU BR CA DE EG EP IN JP JP JP JP JP	551636 B2 8154482 A 8201432 A 1191107 A1 3272799 D1 15313 A 0060626 A2 53197 B1 157921 A1 57162328 A 1909249 C 2216819 A 6018177 B 156022 A 19752 A 4545136 A	08-05-1986 04-11-1982 01-02-1983 30-07-1985 02-10-1986 31-12-1985 22-09-1982 31-08-1988 26-07-1986 06-10-1982 09-03-1995 29-08-1990 09-03-1994 16-06-1988 26-06-1986 08-10-1985